



Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz		415	
Insertion Loss@415MHz	dB	-	1.7	4.5
3dB Bandwidth	MHz	30	31.3	-
Passband Variation(403~427MHz)	dB	-	1.5	2
Attenuation	265~290MHz	dB	50	-
	289~325MHz	dB	50	-
	324~350MHz	dB	45	-
	349~375MHz	dB	40	-
	376~390MHz	dB	18	20
	445~474MHz	dB	13	15
	475~484MHz	dB	35	45
485~565MHz	dB	35	40	
Input/output Impedance	Ω		50/100	
Material Temperature coefficient	KHz/°C		-10.81	
Substrate Material	-		YZ LN	
Ambient Temperature	°C		25	
Operating Temperature Range	°C		25	
Storage Temperature Range	°C	-40	-	+85
Input Power	dBm	-	-	10
ESD Class	-		1A	
Package Size		SMD3.8*3.8		

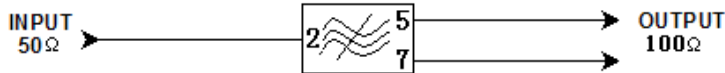
Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBN41506	
		Rev. Date	2012-08-02	
		Ver.	1.0	Page

Matching Configuration

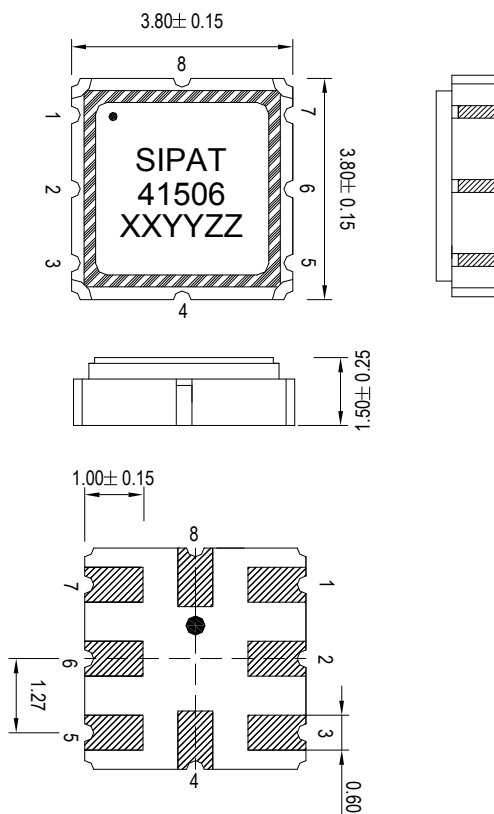
手动测试座



Source/Load Impedance=50 /100ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 2
Output 5 7
Ground All Others

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) 41506: Part Number
- 3) 08XX: Date Code

Package: SMD3.8*3.8

Unit: mm

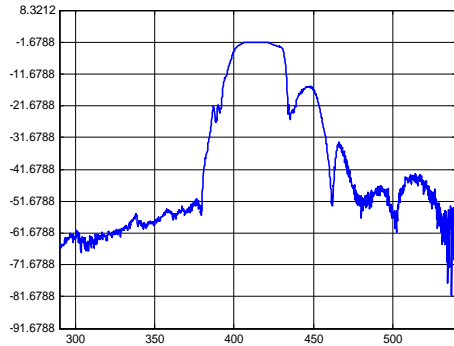


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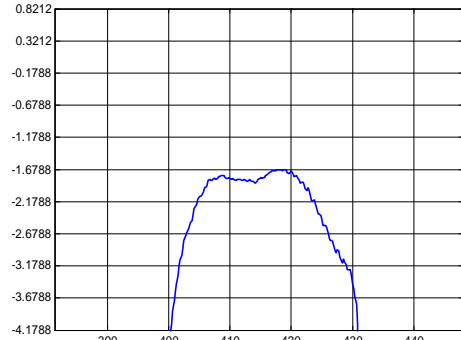
Typical Performance

Frequency Respond



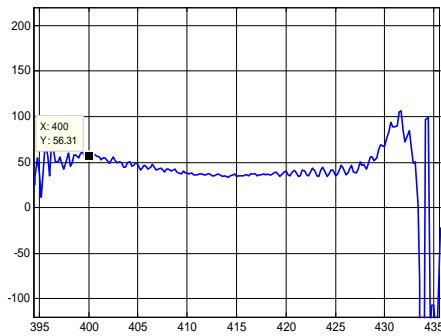
Horizontal: 50MHz/Div Vertical: 10dB/Div

Passband Respond



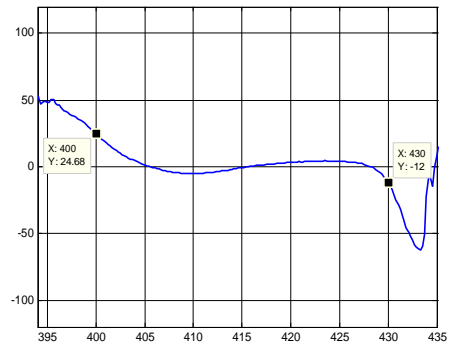
Horizontal: 10MHz/Div Vertical: 0.5dB/Div

Group Delay Variation



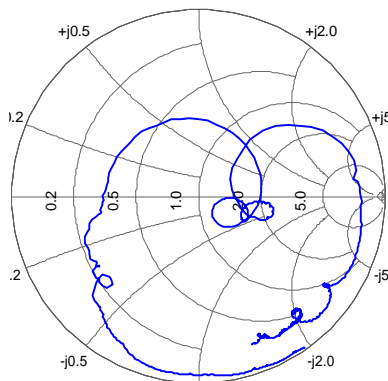
Horizontal: 5MHz/Div Vertical: 50ns/Div

Phase Linearity

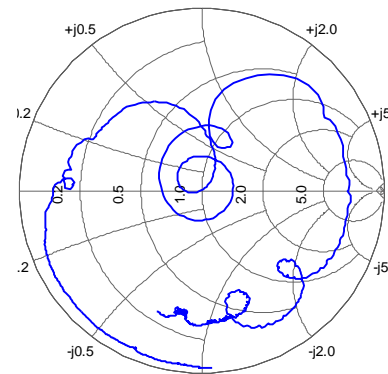


Horizontal: 5MHz/Div Vertical: 50deg/Div

Smith Chart S11



Smith Chart S22



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